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<141> 2004-06-30
<150> SE0301987-4
<151> 2003-07-04
<150> SE0400275-4
<151> 2004-02-09
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Val Asp Asn Lys Phe Asn Lys Glu Pro Lys Thr Ala Tyr Trp Glu Ile
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
 50 55

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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
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 35 40 45
 Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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 Val Gly Leu Pro Asn Leu Asn His Phe Gln Val Arg Ala Phe Ile Arg
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Val Leu Leu Pro Asn Leu Asn Arg Glu Gln Gly Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Val Lys Leu Pro Asn Leu Asn Ser Leu Gln Lys Arg Ala Phe Ile Arg
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
 50 55

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 35 40 45

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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Val Gly Leu Pro Asn Leu Asn Arg Trp Gln Ser Arg Ala Phe Ile Arg
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Val Lys Leu Pro Asn Leu Asn Pro Trp Gln His Arg Ala Phe Ile Arg
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Thr Gln Leu Pro Asn Leu Asn Arg Leu Gln Ser Arg Ala Phe Ile Arg
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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 35 40 45

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 20 25 30

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35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Val Asp Asn Lys Phe Asn Lys Glu Met Arg Gln Ala Tyr Trp Glu Ile
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Val Lys Leu Pro Asn Leu Asn Pro Gly Gln Ser Arg Ala Phe Ile Arg
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Ala Leu Leu Pro Asn Leu Asn Asn Met Gln Lys Arg Ala Phe Ile Arg
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
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Ala Leu Leu Pro Asn Leu Asn Lys Trp Gln Ser Arg Ala Phe Ile Arg
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
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35 40 45

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 20 25 30

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 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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 20 25 30

21013981.ST25.txt

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Ala Lys Leu Pro Asn Leu Asn Pro Pro Gln Lys Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Gln Val Leu Pro Asn Leu Asn Val Arg Gln Lys Arg Ala Phe Ile Arg
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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Val Asp Asn Lys Phe Asn Lys Glu Met Arg Asn Ala Tyr Trp Glu Ile
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Val Leu Leu Pro Asn Leu Asn Arg Trp Gln Ser Arg Ala Phe Ile Arg
 20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys

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Val Asp Asn Lys Phe Asn Lys Glu Met Arg Thr Ala Tyr Trp Glu Ile
 1 5 10 15

Val Ile Leu Pro Asn Leu Asn Lys Trp Gln Ile Arg Ala Phe Ile Arg
 20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
 50 55

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 <213> SYNTHETIC POLYPEPTIDE

<400> 56

Val Asp Asn Lys Phe Asn Lys Glu Met Arg Asn Ala Tyr Trp Glu Ile
 1 5 10 15

Ala Leu Leu Pro Asn Leu Asn Val Ala Gln Lys Arg Ala Phe Ile Arg
 20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
 50 55

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<400> 57

Val Asp Asn Lys Phe Asn Lys Glu Phe Arg Gln Ala Tyr Trp Glu Ile
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Val Lys Leu Pro Asn Leu Asn Ser Gly Gln His Arg Ala Phe Ile Arg
 20 25 30

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Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

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Val Asp Asn Lys Phe Asn Lys Glu Met Arg Thr Ala Tyr Trp Glu Ile
1 5 10 15

Val Lys Leu Pro Asn Leu Asn Ile Ala Gln Asn Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

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Val Asp Asn Lys Phe Asn Lys Glu Leu Arg Thr Ala Tyr Trp Glu Ile
1 5 10 15

Val Ser Leu Pro Asn Leu Asn Arg Asn Gln Ser Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

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<400> 60

Val Asp Asn Lys Phe Asn Lys Glu Met Arg Asn Ala Tyr Trp Glu Ile
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Val Lys Leu Pro Asn Leu Asn Pro Gly Gln Ser Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

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Val Asp Asn Lys Phe Asn Lys Glu Met Arg Gln Ala Tyr Trp Glu Ile
1 5 10 15

Ala Leu Leu Pro Asn Leu Asn Arg Trp Gln Ile Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Gln Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210>	62
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<400> 62

Val Asp Asn Lys Phe Asn Lys Glu Phe Arg Thr Ala Tyr Trp Glu Ile
1 5 10 15

Ala Val Leu Pro Asn Leu Asn Asn Gln Gln Lys Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Gln Ala

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

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<212> PRT

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Val Asp Asn Lys Phe Asn Lys Glu Cys Arg Thr Ala Tyr Trp Glu Ile
 1 5 10 15

Val Lys Leu Pro Asn Leu Asn Asn Ala Gln Lys Arg Ala Phe Ile Arg
 20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
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Val Asp Asn Lys Phe Asn Lys Glu Pro Lys Thr Ala Tyr Trp Glu Ile
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Val Val Leu Pro Asn Leu Asn Ser Lys Gln Lys Arg Ala Phe Ile Arg
 20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
 50 55

<210> 65

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<213> SYNTHETIC POLYPEPTIDE

<400> 65

Val Asp Asn Lys Phe Asn Lys Glu Met Arg Asn Ala Tyr Trp Glu Ile
 1 5 10 15

Val Thr Leu Pro Asn Leu Asn Lys Trp Gln Ile Arg Ala Phe Ile Arg
 20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
 50 55

<210> 66
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<400> 66

Val Asp Asn Lys Phe Asn Lys Glu Met Arg Lys Ala Tyr Trp Glu Ile
 1 5 10 15

Ala Thr Leu Pro Asn Leu Asn Lys Ser Gln Ser Arg Ala Phe Ile Arg
 20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
 50 55

<210> 67
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 <213> SYNTHETIC POLYPEPTIDE

<400> 67

Val Asp Asn Lys Phe Asn Lys Glu Phe Arg Thr Ala Tyr Trp Glu Ile
 1 5 10 15

Val Thr Leu Pro Asn Leu Asn Val Gly Gln Thr Arg Ala Phe Ile Arg
 20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
 50 55

<210> 68
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<400> 68

Val Asp Asn Lys Phe Asn Lys Glu Leu Arg Thr Ala Tyr Trp Glu Ile
 1 5 10 15

Val Gly Leu Pro Asn Leu Asn Thr Arg Gln Ser Arg Ala Phe Ile Arg
 20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
 50 55

<210> 69
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<400> 69

Val Asp Asn Lys Phe Asn Lys Glu Leu Arg His Ala Tyr Trp Glu Ile
 1 5 10 15

Val Gln Leu Pro Asn Leu Asn Arg Glu Gln Gly Arg Ala Phe Ile Arg
 20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
 50 55

<210> 70
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<400> 70

Val Asp Asn Lys Phe Asn Lys Glu Phe Arg His Ala Tyr Trp Glu Ile
 1 5 10 15

Ile Lys Leu Pro Asn Leu Asn Gly Lys Gln His Arg Ala Phe Ile Arg
 20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
 50 55

<210> 71
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<400> 71

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Val Asp Asn Lys Phe Asn Lys Glu Met Arg Thr Ala Tyr Trp Glu Ile
1 5 10 15

Val Ser Leu Pro Asn Leu Asn Thr Leu Gln Ser Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 72
<211> 58
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<213> SYNTHETIC POLYPEPTIDE

<400> 72

Val Asp Asn Lys Phe Asn Lys Glu Met Arg Lys Ala Tyr Trp Glu Ile
1 5 10 15

Gln Gly Leu Pro Asn Leu Asn Asn Arg Gln Lys Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 73
<211> 58
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<213> SYNTHETIC POLYPEPTIDE

<400> 73

Val Asp Asn Lys Phe Asn Lys Glu Met Arg Asn Ala Tyr Trp Glu Ile
1 5 10 15

Ala Lys Leu Pro Asn Leu Asn Arg Glu Gln Lys Arg Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

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<211> 58
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<400> 74

Val Asp Asn Lys Phe Asn Lys Glu Met Arg His Ala Tyr Trp Glu Ile
 1 5 10 15

Val Gly Leu Pro Asn Leu Asn Met Ile Gln Gln Arg Ala Phe Ile Arg
 20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
 50 55

<210> 75
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<400> 75

Val Asp Asn Lys Phe Asn Lys Glu Leu Arg Asn Ala Tyr Trp Glu Ile
 1 5 10 15

Val Lys Leu Pro Asn Leu Asn Arg Ala Gln Asn Arg Ala Phe Ile Arg
 20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
 50 55

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 <212> PRT
 <213> SYNTHETIC POLYPEPTIDE

<400> 76

Val Asp Asn Lys Phe Asn Lys Glu Leu Arg Thr Ala Tyr Trp Glu Ile
 1 5 10 15

Ile Lys Leu Pro Asn Leu Asn Asn Tyr Gln Arg Arg Ala Phe Ile Arg
 20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
 35 40 45

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Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 77
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<212> PRT
<213> SYNTHETIC POLYPEPTIDE
<400> 77

Val Asp Asn Lys Phe Asn Lys Glu Pro Arg Glu Ala Tyr Trp Glu Ile
1 5 10 15

Gln Arg Leu Pro Asn Leu Asn Asn Lys Gln Lys Thr Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 78
<211> 58
<212> PRT
<213> SYNTHETIC POLYPEPTIDE
<400> 78

Val Asp Asn Lys Phe Asn Lys Glu Met Tyr Ala Ala Tyr Trp Glu Ile
1 5 10 15

Ile Asp Leu Pro Asn Leu Asn Thr Pro Gln Ile His Ala Phe Ile Arg
20 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55

<210> 79
<211> 58
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<213> SYNTHETIC POLYPEPTIDE
<400> 79

Val Asp Asn Lys Phe Asn Lys Glu Thr Arg Ser Ala Tyr Trp Glu Ile
1 5 10 15

Val Asn Leu Pro Asn Leu Asn Gln Gly Gln Arg His Ala Phe Ile Lys
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20 21013981.ST25.txt 25 30

Ser Leu Tyr Asp Asp Pro Ser Gln Ser Ala Asn Leu Leu Ala Glu Ala
35 40 45

Lys Lys Leu Asn Asp Ala Gln Ala Pro Lys
50 55